

WHAT IS CLAIMED IS:

1 1. A method of generating a paper document based upon a plurality of
2 multimedia documents storing multimedia information in electronic form, the method
3 comprising:
4 receiving input identifying a selection criterion;
5 analyzing the multimedia information stored by the plurality of multimedia
6 documents to identify portions of multimedia information that satisfy the selection criterion,
7 the portions of multimedia information including at least a first portion extracted from a first
8 multimedia document from the plurality of multimedia documents and a second portion
9 extracted from a second multimedia document from the plurality of multimedia documents;
and

printing the portions of the multimedia information that satisfy the selection
criterion on a paper medium to generate the paper document comprising a set of one or more
printed pages.

2. The method of claim 1 wherein printing the portions of the multimedia
information that satisfy the selection criterion on the paper medium to generate the paper
document comprises:

printing text information on at least one page of the set of printed pages of the
paper document such that words in the text information that satisfy the selection criterion are
annotated, wherein the text information is extracted from the portions of the multimedia
7 information.

3. The method of claim 1 wherein printing the portions of the multimedia
2 information that satisfy the selection criterion on the paper medium to generate the paper
3 document comprises:

4 printing one or more video frames on at least one page of the set of printed
5 pages of the paper document such that at least one video frame that satisfies the selection
6 criterion is annotated, wherein the one or more video frames are extracted from the portions
7 of the multimedia information.

4. The method of claim 1 wherein receiving input identifying the
2 selection criterion comprises:

3 receiving information identifying a topic of interest.

1 5. The method of claim 1 wherein printing the portions of the multimedia
2 information that satisfy the selection criterion on the paper medium to generate the paper
3 document comprises:

4 generating a printable representation for the portions of the multimedia
5 information that satisfy the selection criterion; and

6 printing the printable representation on the paper medium to generate the
7 paper document.

1 6. A method of generating a paper document using multimedia
2 information stored by a first multimedia document and a second multimedia document, the
3 method comprising:

 receiving input identifying a selection criterion;

 accessing printable representations for the first multimedia document and the
second multimedia document;

 analyzing the printable representation for the first multimedia document to
identify at least one portion of the printable representation that satisfies the selection
criterion;

 analyzing the printable representation for the second multimedia document to
identify at least one portion of the printable representation that satisfies the selection
criterion;

13 generating a consolidated printable representation that includes the at least one
14 portion of the printable representation for the first multimedia document and the at least one
15 portion for the second multimedia document that satisfy the selection criterion; and

16 printing the consolidated printable representation on a paper medium to
17 generate the paper document comprising one or more printed pages.

1 7. The method of claim 6 wherein:

2 analyzing the printable representation for the first multimedia document
3 comprises determining at least one page in the printable representation for the first
4 multimedia document that comprises information that satisfies the selection criterion;

5 analyzing the printable representation for the second multimedia document
6 comprises determining at least one page in the printable representation for the second
7 multimedia document that comprises information that satisfies the selection criterion; and

8 generating the consolidated printable representation comprises including the at
9 least one page from the printable representation for the first multimedia document and the at
10 least one page from the printable representation for the second multimedia document in the
11 consolidated printable representation.

1 8. The method of claim 6 wherein printing the consolidated printable
2 representation on the paper medium to generate the paper document comprises:
3 printing text information on at least one page of the one or more printed pages
4 of the paper document such that words in the text information that satisfy the selection
5 criterion are annotated.

1 9. The method of claim 6 wherein printing the consolidated printable
2 representation on the paper medium to generate the paper document comprises:
3 printing one or more video frames on at least one page of the one or more
4 printed pages of the paper document such that at least one video frame of the one or more
5 video frames that satisfies the selection criterion is annotated.

1 10. The method of claim 6 wherein receiving input identifying the
2 selection criterion comprises:
3 receiving information identifying a topic of interest.

1 11. A paper document that comprises:
2 one or more pages, wherein at least one page of the one or more pages is
3 imprinted with text information that is extracted from multimedia information stored by a
4 plurality of multimedia documents if the text information satisfies a selection criterion, and
5 wherein the at least one page is imprinted with one or more video frames corresponding to
6 the text information extracted from the plurality of multimedia documents.

1 12. The paper document recited in claim 11, wherein the text information
2 is extracted from closed-caption text information or audio information included in the
3 multimedia information stored by the plurality of multimedia documents and the one or more
4 video frames are extracted from video information included in the multimedia information
5 stored by the plurality of documents.

1 13. A system for generating a paper document based upon a plurality of
2 multimedia documents storing multimedia information in electronic form, the system
3 comprising:
4 an input module configured to receive input identifying a selection criterion;
5 a processing module configured to analyze the multimedia information stored
6 by the plurality of multimedia documents to identify portions of multimedia information that
7 satisfy the selection criterion, the portions of multimedia information including at least a first
8 portion extracted from a first multimedia document from the plurality of multimedia
9 documents and a second portion extracted from a second multimedia document from the
0 plurality of multimedia documents; and
1 an output module configured to print the portions of the multimedia
2 information that satisfy the selection criterion on a paper medium to generate the paper
3 document comprising a set of one or more printed pages.

1 14. The system of claim 13 wherein the output module is configured to
2 print text information on at least one page of the set of printed pages of the paper document
3 such that words in the text information that satisfy the selection criterion are annotated,
4 wherein the text information is extracted from the portions of the multimedia information.

1 15. The system of claim 13 wherein output module is configured to print a
2 one or more video frames on at least one page of the set of printed pages of the paper
3 document such at least one video frame that satisfies the selection criterion is annotated,
4 wherein the one or more video frames are extracted from the portions of the multimedia
5 information.

1 16. The system of claim 13 wherein the input identifying the selection
2 criterion received by the input module includes information identifying a topic of interest.

1 17. The system of claim 13 wherein:
2 the processing module is configured to generate a printable representation for
3 the portions of the multimedia information that satisfy the selection criterion; and
4 the output module is configured to print the printable representation on the
5 paper medium to generate the paper document.

1 18. A system for generating a paper document using multimedia
2 information stored by a plurality of multimedia documents, the system comprising:
3 an input module configured to receive input identifying a selection criterion;
4 a processing module configured to:
5 access printable representations for the first multimedia document and
6 the second multimedia document;
7 analyze the printable representation for the first multimedia document
8 to identify at least one portion of the printable representation that satisfies the selection
9 criterion;
10 analyze the printable representation for the second multimedia
document to identify at least one portion of the printable representation that satisfies the
selection criterion; and
generate a consolidated printable representation that includes the at
least one portion of the printable representation for the first multimedia document and the at
least one portion for the second multimedia document that satisfy the selection criterion; and
an output module configured to print the consolidated printable representation
on a paper medium to generate the paper document comprising one or more printed pages.

19. The system of claim 18 wherein the processing module is configured
to:

3 determine at least one page in the printable representation for the first
4 multimedia document that comprises information that satisfies the selection criterion;
5 determine at least one page in the printable representation for the second
6 multimedia document that comprises information that satisfies the selection criterion; and
7 include the at least one page from the printable representation for the first
8 multimedia document and the at least one page from the printable representation for the
9 second multimedia document in the consolidated printable representation.

1 20. The system of claim 18 wherein the output module is configured to
2 print text information on at least one page of the one or more printed pages of the paper
3 document such that words in the text information that satisfy the selection criterion are
4 annotated.

1 21. The system of claim 18 wherein the output module is configured to
2 print one or more video frames on at least one page of the one or more printed pages of the
3 paper document such that at least one video frame of the one or more video frames that
4 satisfies the selection criterion is annotated.

1 22. The system of claim 18 wherein the input identifying the selection
2 criterion received by the input module includes information identifying a topic of interest.

1 23. A computer program product stored on a computer readable storage
2 medium for generating a paper document based upon a plurality of multimedia documents
3 storing multimedia information in electronic form, the computer program product
4 comprising:

code for receiving input identifying a selection criterion;

code for analyzing the multimedia information stored by the plurality of
multimedia documents to identify portions of multimedia information that satisfy the
selection criterion, the portions of multimedia information including at least a first portion
extracted from a first multimedia document from the plurality of multimedia documents and a
second portion extracted from a second multimedia document from the plurality of
multimedia documents; and

code for printing the portions of the multimedia information that satisfy the
selection criterion on a paper medium to generate the paper document comprising a set of one
14 or more printed pages.

1 24. The computer program product of claim 23 wherein the code for
2 printing the portions of the multimedia information that satisfy the selection criterion on the
3 paper medium to generate the paper document comprises:

code for printing text information on at least one page of the set of printed
5 pages of the paper document such that words in the text information that satisfy the selection
6 criterion are annotated, wherein the text information is extracted from the portions of the
7 multimedia information; and

code for printing one or more video frames on the at least one page such that
9 at least one video frame that satisfies the selection criterion is annotated, wherein the one or
10 more video frames are extracted from the portions of the multimedia information.

1 25. The computer program product of claim 23 wherein the code for
2 printing the portions of the multimedia information that satisfy the selection criterion on the
3 paper medium to generate the paper document comprises:
4 code for generating a printable representation for the portions of the
5 multimedia information that satisfy the selection criterion; and
6 code for printing the printable representation on the paper medium to generate
7 the paper document.

1 26. A computer program product stored on a computer readable storage
2 medium for generating a paper document using multimedia information stored by a plurality
3 of multimedia documents, the computer program product comprising:
4 code for receiving input identifying a selection criterion;
5 code for accessing printable representations for the first multimedia document
6 and the second multimedia document;
7 code for analyzing the printable representation for the first multimedia
8 document to identify at least one portion of the printable representation that satisfies the
9 selection criterion;
10 code for analyzing the printable representation for the second multimedia
11 document to identify at least one portion of the printable representation that satisfies the
12 selection criterion;
13 code for generating a consolidated printable representation that includes the at
14 least one portion of the printable representation for the first multimedia document and the at
15 least one portion for the second multimedia document that satisfy the selection criterion; and
16 code for printing the consolidated printable representation on a paper medium
17 to generate the paper document comprising one or more printed pages.

1 27. The computer program product of claim 26 wherein:
2 code for analyzing the printable representation for the first multimedia
3 document comprises determining at least one page in the printable representation for the first
4 multimedia document that comprises information that satisfies the selection criterion;
5 code for analyzing the printable representation for the second multimedia
6 document comprises determining at least one page in the printable representation for the
7 second multimedia document that comprises information that satisfies the selection criterion;
8 and

9 code for generating the consolidated printable representation comprises
10 including the at least one page from the printable representation for the first multimedia
11 document and the at least one page from the printable representation for the second
12 multimedia document in the consolidated printable representation.

1 28. The computer program product of claim 26 wherein the code for
2 printing the consolidated printable representation on the paper medium to generate the paper
3 document comprises:

4 code for printing text information on at least one page of the one or more
5 printed pages of the paper document such that words in the text information that satisfy the
6 selection criterion are annotated; and

code for printing one or more video frames on at least one page of the one or
more printed pages of the paper document such that at least one video frame of the one or
more video frames that satisfies the selection criterion is annotated.